



**Association for
Computing Machinery**

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July 17, 2023
Seattle, WA, USA



COP '23

Proceedings of the 15th ACM International Workshop on

Context-Oriented Programming and Advanced Modularity

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Sponsored by:

ACM SIGSOFT, AITO

Co-located with:

ISSTA '23

Association for Computing Machinery, Inc.
1601 Broadway, 10th Floor
New York, NY 10019-7434
USA

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ACM ISBN: 979-8-4007-0244-0

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Production: Conference Publishing Consulting
D-94034 Passau, Germany, info@conference-publishing.com

Message from the Chairs

Contextual information plays an ever-increasing role in our information-centric world. Current-day software systems adapt continuously to changing execution and usage contexts, even while running. Unfortunately, mainstream programming languages and development environments still do not support this kind of dynamicity very well, leading developers to implement complex designs to anticipate various dimensions of variability.

Context-oriented Programming directly supports variability at the programming level, depending on a wide range of dynamic attributes. It enables run-time behavior to be dispatched directly on any detected property of the execution or user context. Since more than a decade ago, researchers have been working on a variety of notions approaching that idea. Implementations ranging from prototypes to mature platform extensions used in commercial deployments have illustrated how multidimensional dispatch can be supported effectively to achieve expressive run-time variation in behavior.

This volume contains the papers presented at COP 2023: the 15th International Workshop on Context-oriented Programming held on July 17, 2023 as part of ECOOP and ISSTA in Seattle, WA, USA. Authors presented their work in 30 min talks, and everyone engaged in lively discussions that extended beyond the end of the scheduled time. There were 3 submissions. Each submission was reviewed by at least 3 program committee members. The committee decided to accept 2 papers.

We would like to thank our program committee, all workshop attendees, and most importantly our authors for their contributions, constructive criticism, hard work, and willingness to share their ideas.

July 2023

Yudai Tanabe
Lars Schütze
Robert Hirschfeld
Atsushi Igarashi
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(COP2023 organizing committee)

Website

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